

Amendments to the Claims

Listing of Claims:

Claims 1-7 (Cancelled).

8. (Currently amended) A system or method for creating and using autonomous transactions for dynamic and changing commercial transactions outside the direct control of senders and recipients for the payment of goods and services for transactions, including but not limited to those involving information, comprising:

- a) a string of digital signals known as a transactional data-packet, storable on a computer-readable medium, and transmittable through a network;
- b) an electronic bit-string a string of digital signals known as an access token, denominated at a certain value, capable of containing the address of the issuer of said access token, and storable individually or together with other said access tokens as part of said transactional data packet in a dedicated field known as a packet wallet; as part of a data packet on a computer readable medium;
- c) a software program known as a facility access gateway able to interact with said transactional data-packet with resultant transactions transferring to or receiving from said packet wallet said access tokens which said transactional data-packets carry, said facility access gateways being located at the facilities and equipment of users as well as of providers of various services involving information and being storable on a computer-readable medium;
- d) a software control program known as a packet controller, similarly storable as part of said transactional data-packet, capable of acceptance or rejection of prices offered by said facility access gateways, and of release or admittance of said access tokens to or from said facility access gateways, with said packet controller programmable by the issuer of said transactional data-packets and storable on a computer readable storage medium on a dedicated field of said transactional data-packet known as a packet controller field.

- e) ~~dedicated fields in said data packet known as a transactional data packet, to store one or several said access tokens denoted in (a) above in a field known as a packet wallet, and to store said packet controller denoted in (b) above;~~
- f) ~~Storage media for data packets at various nodes of a network, as common for Internet and other data transmission systems; and~~
- g) ~~a software program — able to interact with said data packets denoted above as (e) through said packets' packet controller (b), with transactions transferring or receiving the said access tokens (a) which the said packets (e) carry — located at the facilities and equipment of providers of various services involving information, data, and media content, and/or located at the facilities and equipment of the users of such information, and not limited to computer, data communication, or Internet equipment, known as a facility access gateway, and including a facility access controller and a facility wallet, all stored on a storage medium and computer readable.~~

9. (Currently amended) A The method of using the system in claim 8 with access tokens, wherein the method further comprising: comprises the steps of:

- a) a sender of said transactional data-packet placing said access tokens, after being acquired from an issuer of said tokens, in the said packet wallet of said transactional data-packet, together with the instructions for a specified task, and sending them to a recipient, or a recipient class, or to roam networks with a specified task;
 - a. placing access tokens after being acquired from an issuer, in a packet wallet by a source of said transactional data packets;
- b) said transactional data-packets, controlled by said packet controller, engaging in a transaction with said facilities access gateways of a service provider, such as a transmission network or other party, transferring said access tokens in full or part at the facility access gateway of a service provider into the facility wallet in return for access to the facility and its services, or in return for other consideration, such as storage or transmission, with the terms of such exchange transaction dependent on the circumstances such as congestion and demand conditions;

- c) e. transferring one or several said access tokens from the facility wallet to the said packet wallet in return for the service which the said transactional data-packet provides to the facility, or in return for other consideration; and
- d. ~~controlling said transfers by an interaction of the packet, such as through its packet controller, and the facility access.~~
- d) returning of said transactional data-packet, with said access tokens in the said packet wallet, to the sender or a designated third party; and
- e) the ability to re-use said access tokens by the sender, or by the owners of said facility wallets, in subsequent transactions.

10. (Currently amended) A system of method of creating and using autonomous transactions for various kinds of payments, comprising:

- a) a string of data signals known as a transactional data-packet, storable on a computer-readable medium, and transmittable through a network;
- b) a string of an electronic or other signals bit string known as an access token or electronic money, of various types as offered by various providers, storable and computer readable, and being part of a software control program; medium, in a data field known as an electronic wallet, stored on said transactional data-packet;
- c) said an automated software control program known as an intelligent agent, storable and computer readable, such that said intelligent agent can and programmed to transact with various facilities and equipment of providers of various services involving information, data, and media content, by transferring or receiving the said access tokens (a); electronic money from or into the said electronic wallet; and
- d) Storage media for data at various nodes of a network

11. (Currently Amended) A The method of using the system in claim 10 with an intelligent agent, comprising wherein the method further comprises the steps of:

- a) programming said intelligent agent by its sender to engage in a transaction with other facilities, or to roam the networks with a specified task, and loaded with said electronic money and said electronic wallet, and to accomplish the transaction with other facilities by way of various transmission networks;

- b) said intelligent agent engaging in transactions with said facilities, such as acceptance or rejection of prices, engaging in auctions, authorization of purchases and sales, or any other form of transactions;
- c. said intelligent agent, in accordance with the negotiation conducted with said facilities, releasing or receiving said electronic money; and from other entities by the intelligent agent; and
- d) said intelligent agent returning such remaining said electronic money and any information acquired through the transaction to the sender engaging in transactions with said entities by said intelligent agent, or using said electronic money for subsequent transactions.

12. (Currently amended) A system of method of creating and using autonomous transactions for repetitive payment of purchases and sales, comprising:

- a) blocks of information known as a transactional data-packet;
- b) a) an electronic bit string known a string of digital signals known as an access token, denominated at a certain value, and storables individually or together or with other said access tokens as part of said transactional data-packet in a dedicated field known as a packet wallet; and machine-readable;
- c) b) a dedicated field in a data packet known as a transactional data-packet to store said access tokens (a), known as the packet wallet;
- c) a software program known as a facility access gateway able to interact with said transactional data-packet with resultant transactions transferring to or receiving from said packet wallet said access tokens which said transactional data-packets carry, said facility access gateways being [[--]]located at the facilities and equipment of users as well as of providers of various services involving information, data and media content, as well as located at the facilities of the users of such information known as a facility access gateway, and including a facility access controller and a facility wallet (b), all storables and machine-readable, with said software program of the facility access gateway able to transact with the transactional data-packet (b) in transactions requiring no packet controller of the

~~type used in Claim 8 and including a storage media, and being storable on a computer-readable medium.~~

- d) ~~said storage media for data packets at various nodes of a network, as common for Internet and other data transmission systems.~~

13. (Currently amended) A ~~The method of using the system in claim 12 with access tokens, wherein the method further comprising:~~

- a) a sender sending said transactional data-packets, lacking software control packets known as packet controllers, to a recipient or recipient class, placing the said access tokens in the said packet wallet after their being acquired from an issuer;
- b) transferring said access tokens in full or in part at the said facility access gateway into the facility wallet, in return for access to the facility and its services, or in return for other consideration, and/or receiving said access tokens from the said facility wallet in return for services provided by said transaction data-packet; and
- c) returning said transaction packets to the sender and redeeming said access tokens by the owners of said packet wallets at the issuer of the tokens or by others, or re-using said tokens for subsequent transactions.

14. (Currently amended) A ~~system method as in any one of Claims 8, 10, and or 12, with the additional and severable features to enable additional types of performances, further comprising:~~

- a) a field known as the convoy information field on a transactional data-packet, said field that is known as the master packet convoy information field, (or, for the purposes of Claim 10, that is known as the convoy intelligent agent), with said convoy information field identifying other transactional data-packets as its follower packets, in whose behalf it conducts transactions with facilities, said field to be being storable and machine readable; and
- b) a stored software program as part of the said facility access controller that reads the source and destination addresses and other fields of said convoy master packet and said follower packets, and is able to establish access conditions for said follower packets based on the information contained in said convoy information

field, facilitating a single master transaction instead of repetitive identical transactions. ~~repetitive high speed transactions.~~

15. (Currently amended) A system method as in any one of Claims 8, 10, and 12, 14 further comprising:

- a) said transactional data-packet divided into the packet controller and/or the packet wallet including the access tokens consisting of several shorter transactional data sub-packets; each carrying a particular subsection of the information contained in said transitional data-packet, storables and machine readable on the storage media of data networks, and are associated with each other through identification in the said convoy information fields contained in each of the said transactional data sub-packets; for the purpose of enabling long transactional data-packets to be broken up into several shorter data packets.
- b) a software program as part of said facilities controller which assembles the transaction data sub-packets identified as part of the same divided transactional data-packet, into a full transaction data packet, and by stripping it of repetitive packet overhead information, said assembly for purpose of enabling a transaction between said transactional-data packet and said facility controller.

16. (Currently amended) A system method as defined in Claims 8, 10, 15 further comprising:

- a) transactional data-packets and/or additional packet controller software stored located at the packet controller as part of on the said transactional data-packet, as well as additional access tokens, subsequent to their being sent out initially, all storables on the storage media of data networks, and machine readable, for the purposes of enabling additional types of performance storables on the machine-readable storage media, and capable of interaction with said facility access gateways, enabling said transactional data-packets to engage in additional types of performances and applications.

17. (Currently amended) A system as defined in claims 8,10, 16 further comprising: in which:

- a) said facility access gateways that can be located at a distance from the actual facility, and/or issue their own transactional data packets, all and stored on a computer-readable medium; and
- b) transactional data-packets whose said packet controllers can interact with each other, thus enabling them to transact while remote from facilities and creating markets serving multiple participants issued by various packet sources, and storable and machine readable on the storage media of data networks and other nodes, including those of facilities, which can transact among themselves while remote from their facilities, thereby enabling the creation of automatized markets for services and goods.